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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/432,855	11/02/1999	DESMOND E. WONG	0100.9901360	1672
29153 7590 02/20/2007 ADVANCED MICRO DEVICES, INC. C/O VEDDER PRICE KAUFMAN & KAMMHOLZ, P.C. 222 N.LASALLE STREET CHICAGO, IL 60601			EXAMINER SHANKAR, VIJAY	
			ART UNIT	PAPER NUMBER
			2629	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/20/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No. 09/432,855	Applicant(s) WONG, DESMOND E.	
	Examiner VIJAY SHANKAR	Art Unit 2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 November 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6, 10-13 and 23-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6, 10-13, and 23-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-6, 10-13, and 23-27 are rejected under 35 U.S.C. 102(b) as being anticipated by Cho et al (5,798,951).

Regarding Claim 1, Cho et al a method for detecting a monitor (Fig.1), the method comprising: monitoring one pin of a connector coupled to a flat panel (see element 60 in Fig.1) display (Figs. 1-2; Col.4, line 31- Col.5, line 66; Col.15, line 6- Col.16, line 65); asserting (Col.10, lines 5-40) an output signal to indicate the one pin is in a first state (fig.1; Col.3, lines 3-31; Col.5, lines 18- Col.6, line 30; Col.9, lines 17- 37); and receiving the output signal at a display engine. (Figs. 1-4; Col.3, lines 3-31; Col.4, line 31- Col.5, line 66; Col.15, line 6- Col.16, line 65).

Regarding Claims 2-4, 24, 26, Cho et al a method wherein the output signal is an interrupt signal, the interrupt signal is a system interrupt for a general purpose computer, and the output signal is stored in a register. (Fig.3; Col.5, line 19-56).

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Regarding Claims 5-6, 27, Cho et al the method further comprising determining if a voltage level of the one pin is in a stable state before asserting the output signal (Col.10, lines 5-40); and determining includes the voltage level of the one pin being stable when the input is stable for a predetermined amount of time. (Fig.3; Col.5, line 5-66; Col.10, lines 4-40; Col.11, line 31- Col.12, line 56).

Regarding Claims 10-13, Cho et al the method further comprising the step of: operating in a normal mode of operation prior to monitoring, wherein the one pin is in a second state, and the first state is indicative of a flat panel display being coupled and decoupled to the connector, and driving the flat panel display from the flat panel display engine in response to asserting (Col.10, lines 5-40) the first output signal. (Figs. 1-4; Col.3, lines 3-31; Col.4, line 31- Col.5, line 66; Col.15, line 6- Col.16, line 65).

Regarding Claim 23, Cho et al a system for providing a display image to a flat panel monitor (see element 60 in Fig.1), the system comprising: a processing module; and memory operably coupled to the processing module, wherein in the memory stores operational instructions that cause the processing module (fig.1; Col.3, lines 3-31; Col.5, lines 18- Col.6, line 30; Col.9, lines 17-37) to monitor one pin of a connector coupled to a flat panel display (see element 60 in Fig.1) (Figs. 1-3; Col.3, lines 3-31; Col.4, line 31- Col.5, line 66; Col.15, line 6- Col.16, line 65); assert a output signal (Col.10, lines 5-40) to indicate the one pin is in a first state; and receive the

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output signal at a display engine. (Figs. 1-4; Col.3, lines 3-31; Col.4, line 31- Col.5, line 66; Col.15, line 6- Col.16, line 65).

Regarding Claim 25, Cho et al the method for detecting a monitor, the method comprising: providing display information to a first display, (fig.1; Col.3, lines 3-31; Col.5, lines 18- Col.6, line 30; Col.9, lines 17-37); determining when an external flat panel display becomes available, by monitoring at least one pin of a connector coupled to a flat panel display (see element 60 in Fig.1) (Figs. 1-3; Col.3, lines 3-31; Col.4, line 31- Col.5, line 66; Col.15, line 6- Col.16, line 65); asserting an output signal to indicate the pin is in a first state (Col.10, lines 5-40); providing an interrupt signal in response to the asserted output signal (Fig.3; Col.5, line 19-56) , and providing display information to the external flat panel display (see element 60 in Fig.1) in response to the interrupt signal. (Figs. 1-4; Col.3, lines 3-31; Col.4, line 31- Col.5, line 66; Col.15, line 6- Col.16, line 65).

Response to Arguments

3. Applicant's arguments filed 11-22-06 have been fully considered but they are not persuasive.

Applicant argues that Cho does not teach the method comprising a connector coupled to a flat panel display. However, Cho recites and discloses a connector coupled to a flat panel display (fig.1; Col.3, lines 3-31; Col.5, lines 18- Col.6, line 30; Col.9, lines 17-37).

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4. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

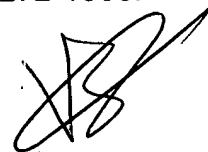
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VIJAY SHANKAR whose telephone number is (571) 272-7682. The examiner can normally be reached on M-F 7:00 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BIPIN SHALWALA can be reached on (571) 272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



VIJAY SHANKAR
Primary Examiner
Art Unit 2629

VS